

ABSTRACT

A light pipe component designed with optically transparent material capable of transmitting and/or guiding optical wavelengths. The outer surface of each light pipe being coated with a metallic surface finish, with the exception of the ends of the light pipe. The light pipe component being placed on a PCB to form solder joints between the metallic surface finish of the light pipes and the PTH. The solder joints may now be used for transmitting both optical signals and electrical signals per each physical connection of the light pipes.